IN THE SPECIFICATION

Please replace the paragraph at page 3, lines 14-24, with the following rewritten paragraph:

Besides, it is disclosed that each of the transmission APAA modules includes a first 90° phase combiner (90° HYB, also simply called a hybrid) for phase combining the two-channel modulating signals divided by the first splitter and the second splitter, a first and a second variable phase shifters respectively for phase shifting the two-channel modulating signals outputted from the first 90° phase combiner, ~~a~~ first and second power amplifiers respectively for amplifying the outputs of the first and the second variable phase shifters, and a second 90° phase combiner for phase combining the output signals of the first and the second power amplifiers.

Please replace the paragraph at page 4, lines 10-20, with the following rewritten paragraph:

Besides, JP-A-2-274004 discloses an array antenna including plural element antennas arranged on a curved surface and for transmitting or receiving a linearly polarized electric wave, a variable phase shifter connected to each of the element antennas, a variable power divider for ~~distribution~~ distributing power amounts of two inputted polarized signals at an arbitrary ratio by changing the phase amount of the variable phase shifter, and a polarization control circuit for performing a control so that the direction of the linearly polarization of each of the elements is changed at intervals of $360°/2^n$ (n is a positive integer).

Please replace the paragraph at page 10, lines 15-22, with the following rewritten paragraph:

Incidentally, in order to improve the accuracy of the antenna apparatus, it is necessary to correct an amplitude difference corresponding to a set phase difference of the respective variable phase shifters and an amplitude difference generated between the two channels, and in this embodiment, as shown in the first figure, the first variable attenuator 55 is provided in the first signal channel, and the second variable attenuator 56 is provided in the second signal channel.

Please replace the paragraph at page 17, lines 7-10, with the following rewritten paragraph:

Thus, in the antenna apparatus according to this embodiment, a three-axis gyro [[73]] 72 which can quickly acquire data of the position and tilt of the aircraft, although its accuracy is a little low, is mounted in an antenna control unit 62.

Please replace the paragraph at page 19, lines 18-25, with the following rewritten paragraph:

Incidentally, reference numeral 50 [[a]] denotes a phase-amplitude adjustment block including the first variable phase shifter 51, the first variable attenuator 55, the second variable phase shifter 52, and the second variable attenuator 56. Phases of the respective variable phase shifters of the phase-amplitude adjustment block 50a and attenuation amounts of the variable attenuators are set to desired values by an antenna control unit 64.